【外資系自動車Tier-1】車載センシングシステムエンジニア｜DMS・OMS開発

Function Ownerとして技術面をリード！週2日までリモート勤務可。

Job Information

Recruiter
Morgan McKinley

Job ID
1621004

Industry
Bank, Trust Bank

Company Type
International Company

Job Type
Permanent Full-time

Location
Tokyo - 23 Wards

Salary
Negotiable, based on experience

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General Requirements

Minimum Experience Level
Over 3 years

Career Level
Mid Career

Minimum English Level
Business Level

Minimum Japanese Level
Business Level

Minimum Education Level
Bachelor's Degree

Visa Status
Permission to work in Japan required

Job Description

自動車業界でのシステム開発経験を活かし、次世代の車載センシング技術や自動車安全システムの開発をリードしませんか？

グローバルに事業を展開する大手Tier1自動車部品サプライヤーにて、**車室内センシングシステムエンジニア**を募集しています。

本ポジションでは、**ドライバーモニタリングシステム（DMS）および乗員モニタリングシステム（OMS）**の開発において、**Function Owner**として技術面をリードしていただきます。

週2日までリモート可。

技術スペシャリストとして専門性を磨く道も、マネジメントを目指す道も選べます。

車載システム開発、組込みソフトウェア、ADAS、画像認識、カメラセンシング技術などの経験を活かし、技術的な裁量を持って活躍したい方におすすめのポジションです。

主な職務内容

- **顧客対応・技術調整：**OEMとの技術的な窓口となり、システム要件の明確化、開発進捗や技術課題の報告を担当。
- **DMS/OMS機能の開発推進：**居眠り検知、乗員検知、車内置き去り検知、パーソナライゼーションなどの機能開発を一貫して管理。
- **品質・コスト・納期管理：**QCD目標の達成に向け、技術レビュー、設計評価、変更要求（CR）の承認を推進。
- **不具合分析・問題解決：**障害の根本原因を分析し、是正策を立案・実施。複数分野にまたがる技術課題を解決。
- **開発プロセス・品質管理：**Automotive SPICEなどの自動車業界の品質基準に準拠し、開発プロセスの運用・継続的な改善を推進。
- **技術リソース管理：**プロジェクトマネージャーやR&D部門の責任者と連携し、技術者や開発リソースの計画・配分を行う。

Are you an experienced **Automotive Systems Engineer** looking to lead the development of next-generation vehicle safety and driver monitoring technologies in Japan?

Join a leading global Tier-1 automotive technology supplier as an **In-Cabin Sensing Systems Engineer**, taking technical ownership of advanced **Driver Monitoring Systems (DMS)** and **Occupant Monitoring Systems (OMS)** for major Japanese automotive manufacturers.

As a **Function Owner**, you will lead the complete development lifecycle of in-cabin sensing features, from initial concept definition and system requirements through engineering validation and mass-production launch.

Working directly with **Japanese automotive OEMs (JOEMs)**, international R&D teams, and project managers, you will translate customer requirements into functional system architectures while ensuring compliance with **Quality, Cost, and Delivery (QCD)** objectives.

This is an opportunity to influence the development of intelligent automotive technologies, including driver drowsiness detection, occupant monitoring, child presence detection, and personalised in-cabin experiences.

If you have a strong background in **automotive product development, embedded systems, ADAS, or camera-based sensing technologies**, this position offers the opportunity to take technical leadership in a globally connected engineering environment.

Key Responsibilities

- **Automotive OEM Technical Leadership:** Serve as the primary technical contact for Japanese automotive OEMs, clarify system requirements, communicate engineering progress, and resolve technical concerns throughout the development lifecycle.
- **DMS/OMS Feature Development:** Lead end-to-end engineering activities for Driver Monitoring Systems and Occupant Monitoring Systems, including driver drowsiness monitoring, occupant detection, child presence detection, and personalisation features.
- **System Requirements and Functional Architecture:** Translate customer specifications into functional requirements and system architecture, ensuring alignment with vehicle safety, performance, and product development objectives.
- **Quality, Cost, and Delivery Management:** Take ownership of QCD targets, coordinate technical reviews, evaluate design proposals, and manage engineering Change Requests (CRs) and approval processes.
- **Technical Problem-Solving and Failure Analysis:** Lead root-cause investigations, identify corrective actions, and resolve complex engineering challenges involving multiple technical disciplines.
- **Automotive Engineering Process Compliance:** Apply and continuously improve engineering processes in accordance with **Automotive SPICE (ASPICE)** and relevant automotive quality standards.
- **Cross-Functional R&D Collaboration:** Work closely with software engineers, electronics specialists, systems engineers, project managers, and international development teams to ensure successful feature delivery.
- **Technical Resource Planning:** Coordinate engineering resources and development priorities with project managers and R&D leadership to support project schedules and product milestones.
- **Mass-Production Readiness:** Oversee technical development and validation activities to support the successful transition of DMS/OMS functions from concept to mass production.

Required Skills

必須条件 経験・資格：

- コンピュータサイエンス、ソフトウェア工学、電子工学、または関連分野の学士号・修士号
- 自動車製品開発の実務経験 5〜10年程度
- 日本の自動車メーカー（JOEM）と直接協業した経験
- 自動車開発プロジェクトにおけるシステム要件の検討、技術レビュー、設計評価、開発マイルストーン管理などの実

績
- 自動車製品開発における品質・コスト・納期（QCD）の重要性を理解し、開発目標の達成に向けて業務を推進できる方

ソフトスキル：
- 機能開発を主体的に推進し、自律的に業務を遂行する能力
- 新しいセンシング技術を積極的に習得する姿勢
- 論理的かつ体系的に課題を分析し、解決する能力
- 技術的な内容や課題を簡潔かつ明確に報告する能力

語学力:
- **日本語：** 流暢
- **英語：** ビジネスレベル以上（技術文書の読解・作成含む）

歓迎条件
- カメラベースの**画像認識システム**、**ADAS**（先進運転支援システム）、**車室内センシング技術**の開発経験
- **DMS**（ドライバーモニタリングシステム）または**OMS**（乗員モニタリングシステム）の開発経験
- 開発ツールチェーン、構成管理、変更管理プロセスに関する深い知識
- 普通自動車運転免許

採用企業について
外資系Tier1自動車部品サプライヤー。

先進的な**車載電子システム**や**自動車安全技術**を開発するグローバル企業です。

自動車の安全性、快適性、インテリジェント化を支える技術開発を強みとし、世界の主要自動車メーカーと協力しながら、次世代モビリティの実現に取り組んでいます。

この求人がおすすめの理由
- **機能開発をリードする裁量：**Function Ownerとして、要件定義から量産立ち上げまで一貫して開発を主導。
- **最先端の車載技術：**DMS・OMSなど、次世代の安全性・快適性を支えるセンシング技術に携われます。
- **国内大手自動車メーカーとの協業：**日本の主要OEMとの技術折衝や共同開発を通じて専門性を高められます。
- **柔軟な働き方：**週最大2日のリモートワークとフレックスタイム制度を利用可能。
- **グローバルな開発環境：**海外R&D拠点や専門エンジニアと連携し、国際的な開発プロジェクトに参画。
- **多様なキャリアパス：**技術スペシャリストとエンジニアリングマネジメントの両方を目指せます。
- **社会的意義の高い仕事：**運転者の安全、乗員保護、車内の快適性向上に貢献。

Required Skills and Qualifications **Experience:**
- **5-10 years of professional experience in automotive product development** , including engineering activities related to vehicle systems, electronics, software, or automotive technologies.
- **Bachelor's or master's degree** in Computer Science, Software Engineering, Electronics Engineering, or a related engineering discipline.
- Demonstrated experience working directly with **Japanese automotive OEMs (JOEMs)**, including technical communication, customer requirements management, and engineering coordination.
- Experience participating in automotive development projects involving system requirements, technical reviews, design evaluations, and product development milestones.
- Understanding of automotive engineering processes and the importance of maintaining quality, cost, and delivery objectives throughout product development.

Soft Skills:
- Strong **technical leadership and ownership**, with the initiative to independently manage feature development and take responsibility for engineering outcomes.
- Excellent logical, analytical, and systematic problem-solving abilities, particularly when investigating complex technical issues.
- Ability to communicate technical information clearly and concisely through engineering reports, presentations, and customer discussions.
- Strong stakeholder management skills when working with automotive OEMs, project managers, engineering specialists, and international R&D teams.
- Proactive approach to learning emerging automotive sensing technologies and applying new technical knowledge.
- Strong organisational and coordination skills, with the ability to manage technical priorities in a multidisciplinary development environment.

Language Requirements:
- **Japanese:** Business-level proficiency in speaking, reading, and technical writing, with the ability to communicate effectively with Japanese automotive OEMs and local engineering stakeholders.
- **English:** Business-level proficiency in speaking, reading, and technical writing for collaboration with international engineering teams and global R&D stakeholders.

Preferred Skills & Qualifications
- **Camera-Based Vision Systems:** Hands-on experience developing camera-based sensing, computer vision, or automotive perception systems.
- **Driver Monitoring Systems (DMS):** Experience developing technologies for driver attention monitoring, drowsiness detection, or other driver monitoring functions.
- **Occupant Monitoring Systems (OMS):** Experience with occupant detection, child presence detection, or other in-cabin sensing applications.
- **Advanced Driver Assistance Systems (ADAS):** Technical experience in ADAS development, automotive sensing, or related vehicle safety technologies.
- **Embedded Software Development:** Familiarity with embedded software development environments, engineering toolchains, and automotive electronics systems.
- **Configuration and Change Management:** Strong knowledge of configuration management, engineering change control, and structured development processes.
- **Automotive Quality Frameworks:** Practical familiarity with Automotive SPICE and automotive engineering quality processes.

- **Driver's License:** Possession of a valid regular driver's license.

About the Company
Our client is a **global Tier-1 automotive technology supplier** specialising in the development of advanced electronic systems, safety-critical automotive technologies, and next-generation mobility solutions.

The organisation works closely with leading automotive manufacturers worldwide to develop technologies that enhance vehicle safety, driver awareness, occupant protection, and intelligent transportation.

With internationally connected engineering and R&D centres, the company combines expertise in **automotive electronics, embedded software, advanced sensing, and intelligent cabin technologies** to support the evolution of modern vehicles.

Its development teams collaborate across regions and technical disciplines, delivering sophisticated automotive systems that meet demanding customer requirements and industry quality standards.

Joining this organisation offers the opportunity to contribute to innovative vehicle technologies while working with experienced engineers and major Japanese automotive OEMs.

Why You'll Love Working Here

- **Technical Ownership and Leadership:** Take responsibility as a **Function Owner**, leading the development of important automotive safety and comfort features from concept to mass-production launch.
- **Next-Generation Automotive Technology:** Work on advanced Driver Monitoring Systems, Occupant Monitoring Systems, and intelligent in-cabin sensing solutions shaping the future of vehicle safety.
- **Direct Japanese OEM Collaboration:** Build valuable experience working with major Japanese automotive manufacturers on technically challenging development programmes.
- **Flexible Working Arrangements:** Benefit from flexible working hours and the opportunity to **work remotely up to two days per week**.
- **International Engineering Environment:** Collaborate with global R&D centres and multidisciplinary engineering specialists on sophisticated automotive technology projects.
- **Career Development Opportunities:** Explore career progression through both **technical specialist and engineering management pathways**, depending on your professional interests and strengths.
- **High-Impact Engineering Projects:** Contribute directly to technologies designed to improve driver awareness, occupant safety, and the overall in-vehicle experience.
- **Permanent Employment:** Build your long-term career within an established global automotive technology organisation.

Company Description

Morgan McKinleyは国際的な人材コンサルティング会社として、さまざまな業界・分野をリードする採用企業様と、スペシャリストとしてのスキルを有する人材とを結びつけるお手伝いをしています。1988年の創立以来、Morgan McKinleyの名は、「卓越した質のサービス」「市場知識の豊富さ」「No.1企業であり続けようとする強い意志」、そして何よりも「実績」を体現する会社として知られています。

リクルーティング スペシャリストである弊社コンサルタントまでお気軽にお問い合わせください。